

Amendments to the Specification:

Please replace the paragraph starting on line 13 of page 1 with the following rewritten paragraph:

As Digital Television (DTV) expands worldwide and gradually dominates the TV market, the demand for flexible architecture and scalable computation will become greater. The impetus to adopt flexible architecture is lead by the availability of a more powerful digital signal processing central processing unit (DSPCPU) core and the increasing demand for new functionality. As the computational power of the DSPCPU core increases over time, video-processing functions will tend to migrate from hardware implementations on coprocessors to software implementations on the DSPCPU core. At the same time, the emergence of new audio/visual processing functionality will mandate the application of coprocessors.
